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Universal ribbon element-module for two or more membrane-
widths with optimized flow and drive.

ABSTRACT

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The described invention refers to a new type of loudspeaker module in the form of a ribbon element, designed in such a way that the module can be optionally equipped with a membrane, 50 millimeters in width or narrower, and with any length from 50 millimeters to 2500 millimeters. The magnet system is equipped with booster-magnets
15 in order to reduce loss of magnetic flow in the soft iron pole pieces and in order to even the magnetic flow at the magnet ends. The signal-feed is designed by passive current-feeding, whereby the inductance's negative impact of the frequency response up to the $1/f$ point is eliminated. Above the $1/f$ point, the ribbon membrane is fed from a separate circuit consisting of R and C, in such a way that the resulting frequency
20 response in flat over the whole operating area.